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(71) Applicant (for all designated States except US): **THE
GENERAL HOSPITAL CORPORATION [US/US]; 55
Fruit Street, Boston, MA 02114 (US).**

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(72) Inventors; and
(75) Inventors/Applicants (for US only): **JAIN, Rakesh, K.** [US/US]; 65 East India Row, Unit 14-B, Boston, MA 02110 (US). **FUKUMURA, Dai** [JP/US]; 197 Wiswall Road, Newton, MA 02459 (US).
(74) Agent: **ELBING, Karen, L.**; Clark & Elbing LLP, 101 Federal Street, Boston, MA 02110 (US).

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(54) Title: REPAIRING OR REPLACING TISSUES OR ORGANS

(57) Abstract: In general, this invention provides methods and compositions for stabilizing, repairing, or replacing damaged or diseased tissues or organs by engineering blood vessels in such tissues or organs. In addition, the invention further provides methods and compositions for producing functional microvascular networks useful in tissue engineering.